# **General Index to Volume 225 January to December 1977**

NB. The Arabic numbers refer to the pages and the Roman numbers 1 - XII refer to the issues in which the entry will be found.

ABMEX £68m. Exports, 329 VI Alphabetical Index of Exhibitors, International Mining Exhibition, Birmingham, 658 - 729 IX Annual Review, 298 VI Armoured Coalface Conveyor Pin-Lock, 912 XII Atlas Copco Bursaries, 125 III

### **AUTHORS**

AUTHORS

Arnott, L. J., 96 - 9 II
Barber, Dr. M. J., 517 - 28 VIII
Barber, R. J., 475 - 83 VIII
Barnes, J. E., 270 V
Blelloch, J. D., 495 - 503 VIII
Brigden, G., 386 - 7 VII
Brown, P. G., 106 - 12 II
Brown, P. G., 106 - 12 II
Burton, A. B., 654 - 7 IX
Carr, T. L., 485 - 94 VIII
Carr, W., 648 - 53 IX
Caunt, R. A., 463 - 71 VIII
Chamberlain, Dr. E. A. C., 27 I
Collins, H. E., 627 - 36 IX
Cowles, R. V., 857 - 60 XI
Curl, S. J., 272 - 8 V
Deakin, A. F., 475 - 83 VIII
Dickie, A., 766 - 7 X
Downes, E. J., 157 - 63 III
Dowson, I. H., 87 - 91 II
Dowson, I. H., 87 - 91 II
Doye, P., 213 IV, 818 XI
Ezra, Sir Derek, 613 - 22 IX
Fennelly, S. D., 463 - 71 VIII
Fletcher, B., 892 - 5 XII
Gibson, Dr. J., 23 - 5 I
Griffen, A. R., 132 - 5 III
Hodges, D. J., 272 - 8 V
Johnson, S. N., 760 - 3 X
Kenny, P., 760 - 3 X
Kirk, G., 308 - 10 VI
Lama, R. D., 281 - 8 V, 333 - 44 VI, 375 - 80
VIII
Lardner, E., 919 - 23 XIII Lama, R. D., 281 - 8 V, 333 - 44 VI, 375 - 80 VII
Lardner, E., 919 - 23 XII
Mason, C., 643 - 6 IX
Mills, L. J., 78 - 80 II, 451 VIII
Molyneux, E. V., 266 - 8 V
Morgan, Dr. J. D., 638 - 41 IX
Morris, J. R., 389 - 94 VII
Myers, M. B., 796 - 808 X
O'Leary, J. F., 623 - 4 IX
Parker, M. J., 514 - 6 VIII
Peters, T. W., 853 - 6 XI
Plant, R., 9 - 13 I
Philip, H.R.H. Prince, Duke of Edinburgh, 610 - 1 IX
Pickles, G., 43 - 8 I
Pyne, R., 505 - 13 VIII
Rainbow, M., 319 - 29 VI
Rogerson, D., 331 - 2 VI
Scholes, W. A., 246 - 8 V
Singh, D. P., 861 - 6 XI
Spanton, H. M., 495 - 503 VIII
Stainer, A., 882 XII
Stewart, A. L., 43 - 8 I
Straughan, J., 149 - 56 III
Thompson, R. H., 214 - 6 IV
Tomlinson, R. C., 28 I
Tregelles, P. G., 25 - 7 I
Turnbull, D., 310 - 1 VI

Wallace, C. K., 187 - 98 IV
Watson, T. (E. K.), 311 VI, 357 - 8 VII
Weekes, P. G., 485 - 94 VIII
Wheatley, T. E., 769 - 82 X, 840 - 6 XI
Wilkin, G., 101 - 4 II
Wills, N. B., 901 - 6 XII
Williams, I., 224 - 8 IV
Willock, W. J., 265 - 6 V
Wilson, W. I., 453 - 61 VIII
Woodley, J. N. L., 453 - 61 VIII

#### B

Automatic Water-Treatment Plant, 794 - 5

Baseline Evaluation of recent EDM Systems, 272 - 8 V Basic Mechanical Engineering, 228 IV BJD Supashreda, 400 VII

### **BOOK REVIEWS**

Armoured Flexible Conveyors, Training Booklet, 782 X
British Coalmining Industry, 163 III
Coal on a Switchback, 882 XII
Coal-technology for Britain's future, 80 II
Doncaster Metropolitan Institute of Higher Education: Mining Society Journal, 906 XII Environmental Impact of Mining, 387 VII Jahrbuch für Bergbau, Energie, Mineralöl und Chemie 1977/78, 870 XI Memento des Mines et Carrieres 1977, 185 Mining International Year Book 1977, 870 Primärenergie Elektrische Energie, 906 XII Primärenergie Elektrische Energie, 906 XII
Proceedings of the Symposium on Health,
Safety and Progress—1976, 906 XII
Tube Bundle Technique for the Continuous
Monitoring of Mine Air, 782 X
Tunnelbau 1978, 882 XII
University of Nottingham Mining
Department Magazine, 80 II Zukünftige Energieversorgung: Optionen und Strategien, 83 II

Borehole Water for Selby, 268 V
British Businessmen in Poland, 297 VI
British Conveying Equipment in Coai
Mines, 331 - 2 V
British Drilling Association, 91 II
British Mining Consultancy, 517 - 28 VIII
Brown Coal Power Station, 246 - 8 V Bunker Flap, 13 I

Case for UK Coal in the Long-Term Energy Market, 514 - 6 VIII Cemented Carbides for Coal Mining, 919 - 23 XII Christmas Rush, 763 X Circuit Breaker Units, 112 II CISWO Educational Grants 1977, 99 II Coal Industry Society, 6 1, 66 11 Coal Mining Electrical and Electronic Engineering, 187 - 98 1V Coal Preparation in the UK. Development of, 43 - 8 I
Coal Statistics, 5 I, 65 II, 121 III, 182 IV, 238 V, 296 VI, 353 VII, 749 X, 817 XI, 881 XII Coal Trade, 297 VI, 882 XII

### COALFIELD NEWS

Scotland

Coal in Ayrshire, 39 I NCB Chairman at Bedlay, 39 I Opencast, 39 I Mine Rescue Competition, 39 I Output Check, 73 II
South Ayrshire Problems, 73, II
Mines Rescue Competition, 73 II
Forth Coal Plan 142 III Westfield Opencast, 142 III Pit to Close, 142 III Hopes for former Colliery, 203 IV Reprieve for Polmaise Pit, 203 IV Test Bores in Blairhall Area, 203 IV Miners' Pay, 203 IV Opencast, 203 IV Unions Welcome Plan, 242 V New Opencast Scheme, 242 V A Shot in the Arm, 242 V NCB Chairman at Seafield, 301 VI Opencast Working, 360 VII Seafield, 360 VII Seaneid, 360 VII
First Aid Competition, 360 VII
Contract for Power Station Coal, 360 VII
Opencast, 360 VII
Coal in Irvine, 360 VII
Opencast Working, 360 VII
Opencast Mining improves environment, Mine Site Reclamation, 828 XI Blantyre Disaster Memorial, 828 XI

# North-East

Coke Works Expansion, 39 1 Opencast, 73 II
Wearmouth Development, 301 VI
Opencast, 360 VII
Tyne & Wear, 360 VII
Mines Inspection Board Report, 360 VII
Opencast, 828 XI Easington Reclamation, 828 XI Mr. Eadie on Coal's future, 885 XII

### **Yorkshire**

Treeton and Silverwood Developments, 39 - 40 I Opencast Workings at Cawker, 73 II Fluidised Bed Combustion, 42 II Goldthorpe/Highgate Extensions, 142 III Thurcroft Smashes European Record, 203 V Yorkshire Main Tip, 242 V Drilling at Silverwood Colliery, 301 VI Thorne Colliery, 361 VII Selby Coalfield Contract, 808 X Selby Manpower Survey, 828 XI Opencast, 885 XII

### Western

Productivity Record, 39 I Methane Gas for Electricity Generator, 73 Opencast, 73 II Mining Museum, 142 III First Aid Competition, 203 IV Safest pits in Britain, 203 IV Opencast coal at Oughterside, 203 IV Investing in Coal, 242 V More talks on New Mine, 242 V Pits Link Completed, 301 VI Opencast, 808 X Silverdale Colliery, 808 X Off-shore boreholes, 885 XII Opencast Coal Working in Cumbria, 886 XII

IMI

### Midlands

**Environmental Award for Opencast** Executive, 74 II
National Savings, 301 VI
Warsop Colliery Development, 828 XI
Lea Hall Colliery, 828 XI Coalfield Farm Opencast, 828 XI Daw Mill Colliery, 885 XII Christmas Bonus, 886 XII Drivage Record, 886 XII Coalfield Farm Opencast, 886 XII

### South Wales

Nantgarw Windsor Link-up, 40 I Nantgarw Windsor Link-up, 40 I Mid-Glamorgan Mining Combine, 74 II Investing in Coal, 142 III Recruitment, 242 V Betws New Mine, 242 V Opencast Operation Unearths History, 301 VI Awards for Ideas, 361 VII

Firefighting Competition, 361 VII Rhos Opencast, 808 X River Diversion on Opencast Site, 828 XI

#### COMMENT

ABMEX Mission, 816 XI AMBEX mission gets flying start, 881 XII ABMEX Planning for 1978, 352 VII ABMEX—£68m. Exports, 181 IV Alternative Energy Statistics, 351 - 2 VII Annual Review, 237 V Apology, 352 VII Big Coal-reserves Find in Warwickshire, 236 V Carter's America, 31
Christmas Greetings, 879 XII CISWO Educational Grants, 748 X Coal for the Future, 119 III Coal Preparation Congress, 817 XI Colliery Chardian September, 296 VI Conferences, 64 - 5 2 Crushing Fazard to perators of Linkage Mounted Equipment on Tractors, 181 IV Czechoslovakian Tragedy, 3 I Energy Show, 253 VII, 748 X Energy Survey Scheme, 5 I Eurochem, 353 VII Exhibition Corrections, 748 X Health and Safety, 815 - 7 XI
Health and Safety Research 1975, 63 - 4 II
Hughie Green's Talent Search, 182 IV
IME Annual Conference, 237 V IME Silver Jubilee Year Celebration. 880 XII Industrial Democracy, 119 III International Conference Czechoslovakia, 882 XII International Conference on Geological Information, 748 X
Mineral Processing, 4 I
Miners say no, 817 XI
Mineworkers' Pension Schemes, 236 - 7 V Mining Environment Bulletin, 881 XII Mining Festival, 4 I
Mining Machinery Exhibition, 295 VI Mining Research and Development Estab-lishment Annual Report, 817 XI National Coal Board Contracts, 181 IV NCB Results 1976/77, 235 V National Safety Year 1977/78, 179 - 80 IV New Exhibitions Company, 747 X Queen's Birthday Awards to Industry, 236 Queen's Birthday Honours, 352 VII

Reflections on '76, 3 I
Request, 296 VI
Royal Standard, 295 VI
Safety in Mines Research Advisory Board,
3 I

Selby Project, 748 X Self-cleaning scatterings chute, 182 IV Seventh STC Communications Lecture,

Silver Jubilee Year, 747 - 8 X SMRE Trial Blaze, 236 V SMRE Trial Blaze, 236 V
Special Exhibition Number, 352 VII
Students' Prize Competition, 235 V, 815 XI
20th Anniversary, 880 XII
Twenty-five years ago, 65 II, 122 III, 181
IV, 296 VI, 351 VII, 879 XII
21 Today, 235 V
294th CIS Meeting, 180 IV
World Energy Outlook, 122 III

**COMPANY NEWS** Allis-Chalmers Electric Motors, 254 V Analytical Instruments, 201 IV
Anderson Strathclyde Agreement with REI, 754 X 754 X
Anthracite for the USSR, 398 VII
ASEA Organisation, 201 IV
Atlas Copco ABEM, 915 XII
Atlas Copco to Market Hagglund Equipment, 91 II
Babcock in Canada, 201 IV
Patrix Distribution 754 X Belting Distribution, 754 X
Bitumen for Briquetting, 254 V
British Chainless Haulage Systems in USA, 91 II British Draglines, 254 V Brodsworth Order for Jenkins, 915 XII BTOR Belting in France, 130 III
Bunker at Thoresby Colliery, 915 XII
Capper-Neill buys Glover Group, 201 IV
Century Oils Joins ABMEX, 304 VI
Chemicals from Coal, 17 I
Chinese Visit Gullick Works, 916 XII
Choice of Chaire, 130 IIII Chinese Visit Gullick Works, 916 XII
Choice of Chains, 130 III
Coal Combustion Contracts, 916 XII
Coal Gasification, 398 VII
Coal Plant Order for Matthew Hall, 837 XI
Coal Preparation, 397 VII
Coal Preparation Plant Contract, 91 II
Coal Preparation Plants South Africa, 837 XI XI
Coal Processing and Utilisation, 754 X
Coal Processing and Utilisation, 754 X
Coal Washery Contract, 837 XI
Colliery Contract for Henry Boot, 398 VII
Computers for NCB, 397 VII
Contract for Selby Coalfield, 834 XI
Contracts with NCB, 251 V
Conveyor Order for Jenkins, 837 XI
Correction, 251 V
Crone & Taylor in Scandinavia, 91 II Correction, 251 V
Crone & Taylor in Scandinavia, 91 II
Derek Crouch in Europe, 251 V
Dobson Park in Germany, 201 IV
Dowty Exports to USA, 916 XII
Dowty Export Orders, 398 VII
Dowty for Indian Mines, 304 VI
Dowty Meso Conveyor Price 915 VI Dowty Meco Conveyor Drive, 915 XII Dowty Orders from Yugoslavia, 754 X Dresser Acquire Marion Power Shovel, 837 Drilling Equipment for Tunisia, 130 III Drum Lagging for Underground Use, 915 XII

Dryers and Coolers, 17 I Dunlop Expansion, 254 V Dunlop Hydraulic Hose, 834 XI

Dust Control Booklet, 398 VII Environment Problems, 91 II Excavators for Opencast Work, 916 XII

Exports for India, 916 XII

Export Orders for Anderson Strathclyde, 304 VI Export Orders for Bonser, 17 I

First Order from Zambia, 201 IV Gas Alarms, 17 I
Gas Sampling, 400 VII
G-D News Sheet, 398 VII
GE International Magazine, 754 X Geophysical Exploration Equipment, 91 II Gullick Dobson at Caracas Exhibition, 130 Ш Gullick Dobson Rippers for Germany, 834 XI All
Gullick Export Year Campaign, 304 VI
Gullick Supports, 17 I
Gullick Supports for USA, 754 X
Hymac New Distributors, 398 VII Hymac to be I-R Mounted Breaker Distributors, 400 VII Interim Consultants, 17 I Investment in Mining Machinery Company, 837 XI
Inward Mission from Spain, 397 VII
Isometal Engineering Ltd., 837 XI
Joy to close Greenock Plant, 251 V
Jubilee Year Achievement for Schwarz,
304 VI Komatsu Bulldozer Opencast Scheme, 17 I Landay Drilling to supply Reed Products, 398 VII Landrill Publication, 915 XII Large Contracts for FSW, 916 XII Lawrence Plant and Equipment Ltd., 304 VI Leaflet on Thycrete, 400 VII Leyland Reorganisation, 201 IV Lima Dragline at Opencast Site, 916 XII Locomotives for Coal Haulage, 915 XII M & H Pumps Move, 251 V Martin-Black Developments, 130 III Materials Handling, 201 IV Mayfield Engineering Change Address, 834 MDA in UK, 304 VI MF Expansion at Knowsley, 130 III Midlands Distribution for Christensen, 400 VII Mine Locomotives, 17 I Minerals Processing, 397 VII, 916 XII Mine Winder Modernisation, 754 X Mitsubishi Leaflets, 201 IV NCB Contract for FSW, 915 XII NCB Contract for GEC, 130 III NCB Contract for Simonacco, 251 V NCB Contracts, 304 VI

NCB Contracts, 304 VI
NCB Contracts for Henry Boot, 837 XI
New Babbitless Premises, 130 III, 254 V
New Eimco Factory, 83 XI
New IFE Subsidiary, 915 XII
New Machinery for Jenkins, 201 IV
New Mining Transport Company, 397 VII
New Warehouse for Landay Drilling, 201 Norcon Range of Valves, 916 XII O & K Shovel to be built in Canada, 398

VII Orders for Budge, 837 XI
Orders from Canada, 398 VII
Perard Contracts, 397 VII
Pitcraft Orders from USA, 754 X
Power Transmission Equipment, 834 XI Power Transmission Equipment, 834 XI
Processing Canadian Coals, 754 X
Quick Metal Spraying Jobs, 397 VII
RP Electronics Ltd., 834 XI
Safest Site 76, 304 VI
Safty in Power, 915 XII
Selby Contract for Parsons Peebles, 754 X
Selby Shaft Sinking Contract, 916 XII
Shaft Construction Contract, 398 VII
Sinking Selby Shafts, 130 III
Skip Winding at Brodsworth, 754 X
Solidur Plastics. Ltd., 254 V
Spanish Order for Gullick, 754 X
Stainless Ropes, 400 VII
Steel Fabrication, 91 II
Strata Reinforcement Leaflet, 130 III
Streets for Thoresby, 254 V
Symposium on Resins, 91 II Symposium on Resins, 91 II Tooling System for Gemany, 254 V
Tunnel Linings for Treeton, 398 VII
UK-USA Coal Technology Exchange, 837

New Years Honours, 4 I 1977 Silver Jubilee, 3 I On Securing Safer Coal Mines, 879 XII

Programme for Action 77, 64 II Protection for Contactor Switches, 182 IV

Queen's Award for MRDE, 295 VI

Vibration Equipment, 201 IV
Wagon Control Equipment, 130 III
Walking Draglines for Australia and
Canada, 254 V
Wall Chart, 398 VII
Ward Stocklist, 398 VII
Weaving Service Centre, 837 XI
Weir Alloy Products Ltd., 400 VII
Whisky Galore, 254 V
Winder Order for Robey, 834 XI
Wire Ropes. 17 I Wire Ropes, 17 I Zimmite (UK) Leaflet, 400 VII

### COMPANY PROFILE

Anderson Strathclyde Ltd., 29 - 36 I Dowty Meco, 208 - 12 IV Dowty Mining Equipment Ltd., 164 - 70 III Fenner Group, 785 - 92 X Scandura Ltd., 382 - 5 VII Wimet Mining, 848 - 50 XI

Conservationist of the Year Awards, 1976, Conveyor Belt Manual, 763 X CTBA Festival Dinner, 6 I

### CORRESPONDENCE

Magic Carpet, 5 I, 238 V Training of Mining Engineers: Correction,

Deep-cone thickeners, 20 I Diary, 240 V, 354 VII, 749 X, 846 XI, 889 XII Dispersion of Contamination on Model Coal Faces, 892 - 5 XII

### E

ECSC Loans to NCB, 243 V End of an Era, 270 V Energy Policy, 870 XI

# **EQUIPMENT**

Automatic-Tensioning Screener, 129 III Back Acter at Opencast Site, 256 V
Bolt Positioning Ring, 907 XII
Bray Shovels, 318 VI
British Fans for Zambia Mine, 256 V
Bucket Wheel Excavator, 833 XI Carbon Monoxide Monitors, 908 XII
Cartridge Filters, 834 XI
Clayton Locomotives for NCB, 261 V
Coal Handling System at Thoresby Colliery, Coal Handling System at Thoresby Colliery
258 V
Coal Haulage Systems, 206 V
Coal Hauler, 833 XI
Coal Preparation Plant, 258 V
Coal Research Furnace, 374 VII
Coal Sampling, 911 XII
Coal Slurry Dewatering, 907 XII
Coals from Coalville, 256 V
Compressor Protection Systems, 261 V
Conveyor Belt Repairs, 833 XI
Crane Overload Protection, 205 IV
Cutting Wear Resistant Materials, 206 IV
Diesel Coal Scoops, 833 XI
Diesel Generator Welding Set, 262 V
Disposal of Colliery Washings, 753 X
Dresser Raise Borer, 69 II
Drilling Vehicle, 318 VI

Dunlop Hot-Line, 371 VII Excavator Bucket Repairs, 205 IV Filter for Coal Liquefaction, 205 IV Flameproof Alignment Laser, 908 XII Flameproof Transformers, 54 I Floodlighting, 833 XI Gearboxes, 834 XI Giant Dragline Bucket, 256 V Gullick Ripper for Hungary, 53 I Handling Conveyor Spillage, 54 I Hazard Barriers, 262 V Heavy-duty Pneumatic Valves,314 VI Heliminer 122M, 371 VII High Concentration Methanometer, 911 XII Hunslet-NCB Rack Loco, 753 X Hydraulic Drill Rig, 54 I Hydraulic Excavation, 262 V Hydraulic Excavator, 753 X Hydraulic Mining Pick, 911 XII Hydraulic Oil Coolers, 834 XI Hydraulic punch, 911 XII
Impact Ripper Success, 258 V
In-Web Shearer at Florence Colliery, 371
VII, 753 X
Jeffrey Ramcar, 314 VI
Kat 245 Excavator, 206 IV Komatsu Dozers for Opencast Site, 53 I Komatsu in Wales, 318 VI Level Control Instruments, 908 XII Limberollers, 315 VI Linear Actuator, 262 V Liquid Nitrogen Go-Kart, 907 - 8 XII Liquid Nitrogen Go-Kart, 907 - 8 XII
Loadcell Belt Weighers, 70 II
Lorry Loaders for NCB, 833 XI
Magnetic Separators, 262 V
Man Riding Cars, 129 III
Marions at Butterwell, 53 I
Mechanite Iron Casting, 206 IV
Mindev Dinters for South Africa, 753 X
Mindev Type 90 Dinter, 374 VII
Minewinder Drives, 314 VI
Miniature Cam Timer, 69 II
Mobile Feeder-Breaker, 374 VII Mobile Feeder-Breaker, 374 VII Mobile Welding Set, 129 III NCB Order for Raise/Box Drill, 908 XII New Eimco Equipment, 315 VI New HighHead Pump,256 V New Holman Compressor, 315 VI New Hose for Mining Applications, 370 VII New Insulation for NCB Workshops, 911 XII

XII
New Jeffrey Equipment, 370 VII
New Mindev Machines, 370 VII
New Minders' Lamp Bulb, 370 VII
New Quarry Grabs, 262 V
New Test Pump, 261 V
Opencast Developments, 54 I
Ore Loading Equipment, 70 II
Personnel Carrier, 315 VI, 833 XI
Portable Air Compressor, 261 V
Portable Power Pack, 206 IV
Portable Pumps, 318 VI
Portable Vacuum Pump, 258 V
Power Sweeping, 70 II Power Sweeping, 70 II Safety Interlocks, 54 I Sensing Gases, 908 XII Servicing Trailer, 205 IV Submersible Drainage Pump, 70 II Submersible Pumps, 258 V Telescopic Handler, 907 XII Three Way Tipping Skip, 371 VII Treatment of Butt Joints on Dragline Boom, Tunneller on Public Roads, 318 VI
Tunneller on Public Roads, 318 VI
Two More Clearspans, 261 V
US Approval for Rotork Actuators, 69 II
Vehicle Wash, 371 VIII
Versatile Lamp, 833 XI
Volvo Loader for Opencast Site, 374 VII
Weighbridge for NCB, 315 VI
Welding Set, 371 VII
Wet Drilling, 374 VII
Wormgear Speed Reducers, 205 IV
Yale Forklift Trucks, 314 VI 129 III External Emergency Stop for Shearers, 228

IV

Finance and Trade
Distinct Improvement, 818 XI Over the Worst but More Hazards Ahead.

Fire Resistant Hydraulic Fluids, 796 - 808 X
Flexible Haulage, 475 - 83 VIII
Foreword, Exhibition Issue, 610 - 1 IX
4,000 Tons Per Day Face, 463 - 71 VIII
45-ton coal wagons, 380 VII

### G

Gaining Access Quickly, 453 - 61 VIII Great Connection, 344 VI

# H

Haulage and Transport Accidents Report. Healthy Report from NRDC, 895 XII High-Output Longwall Face Collieries South Africa, 101 - 4 II Hong Kong 1978, 329 VI Hydraulic Mining, 485 - 94 VIII

### 1

Installation of the Anderson Strathclyde Buttock Shearer North Yorkshire Area, 224 - 8 IV International Mining Exhibition and Conference, 821 - 6 XI It's a Knock Out, 297 VI

JCB, 220 - 1 IV Jeffrey Heliminer 120-H2, 358 VII

### K

"King Coal" and the Vale of Belvoir, 125

### L

Latin America's Trade Fair, 185 IV Lexicon, 354 VII Long-Term Strength of Rock, 861 - 6 XI Longwall Prospects USA and UK, 648 - 53 1X

### M

Managers in Minerals Industries, 156 III Mechanical Powered Transfer Point, 826 XI Merry-go-round Trains, 319 - 29 VI
Million Ton Collieries Prepare for Cleaner
Coal, 82 - 3 II
Mine Car Retaining Device, 782 X
Mine Surveyors Examinations, 912 XII
Mine Surveyors Examinations, 344 VI
Mine Winder Sefety, 138 III Mine Winder Safety, 138 III
Mineral Resources Conference, 147 III

# MINING OVERSEA

Automated Water Sprays, 332 VI Coalfields of Northern France, 332 VI

Down-the-Hole Drills in French Mines, 866

Future for Hydraulic Shothole Drilling, 866 XI Gas Emission from Retreating Longwall

Workings, 76 II Methane in Armoured Face Conveyors, 76

Mine Dumps in France, 353 VII Polish/West German Co-operation,76 II Quicksand inrush in German Colliery, 923 XII

Record Advance by Roboter, 163 III Roof Support Problems, 353 VII Shearer-Loader pick Comparison, 923 XII Underground Gasification, 866 XI Underground Gasification of Coal, 76 II

Mining-The British Scene, 451 VIII MQB Examinations, 80 II, 93 II, 329 VI, 860 XI

NCB Staff Superannuation, 870 XI New Computer for NCB, 297 VI New Developments by FSW, 912 XII New Patents, 51 II, 94 II, 172 III, 218 IV, 305 VI, 363 VII, 757 - 8 X, 867 - 9 XI, 924 XII Non-Blunting Tool for Cutting Coal and Rock, 760 - 3 X

Obituary, 66 11, 278 V, 367 VII, 750 X Opencast Coal Mining, 288 V

People, 40 I, 93 II, 126 III, 217 IV, 250 - 1 V, 302 VI, 364 - 7 VII, 750 X, 829 - 30 XI, 898 XII Petrol from Coal, 898 XII PIAB setting test device, 860 XI Pit Safety Drama, 138 III Plan for Coal, 78 - 80 II Plan for Coal Seminars, 43 - 8 I, 78 - 80 II, 96 - 9 II, 149 - 56 III, 187 - 98 IV, 331 - 2 VI, 389 - 94 VII Pneumatic Drifter, 358 VII Polish Coal Mining Delegation, 147 III
Power Loading, 389 - 94 VII
Powered Roof Supports, 96 - 9 II
Principles of Underground Coal Mine
Design—An Approach, 281 - 8 V,
333 - 44 VI, 375 - 80 VII
Pumped Pack System at Markham Mair Pumped Pack System at Markham Main Colliery, 901 - 6 XII

Ranging-Arm Shearer, 157 - 63 III Reliability of Machines and Machine Systems, 495 - 503 VIII Review of Laws Significantly Affecting Coal Mining in the United States, 638 - 31 IX Ripping Shield, 911 XII Roadway Drivages and Drilling in Coal Mines, 149 - 56 III Robens Lecture 1977, 870 XI Rockwell Investment Programme, 163 III Role and Function of the Association of British Mining Equipment Exporters, 643 - 6 IX Role of Coal and UK Energy Prospects, 613 - 22 IX Royston Drift Mine, 505 - 13 VIII

JMI

Sampling Coal and Coke, 344 VI Shaft Communication Invention, 80 II Shift Commander Scoop, 380 VII Shirebrook Pneumatic Coal Transport Scheme, 853 - 6 XI Shireoaks: A Pioneering Enterprise of the Mid-Nineteenth Century, 132 - 5 III Side support for Ripping Lip, 354 VII Solar Energy Prospects, 130 III

# Structure of the NCB

(13) Coal Utilisation Research, 23 - 5 I Work of Scientific Control, 27 I Work of the Mining Research and Development Establishment, 25 - 7

Work of the Operational Research Executive, 28 I (14) Organisation of an Area, 87 - 91 II

(15) Industrial Relations Department, 214 - 6 IV (16) Immingham Bulk Terminal, 265 - 6 V

(16) Immingham Bulk Terminal, 265 - 6 Road Transport Service, 266 - 8 V (17) Minestone Executive, 310 - 1 VI Public Relations, 308 - 10 VI (18) Audit Department, 386 - 7 VI (19) Estates Department, 766 - 7 X (20) Organisation and Work of Legal

Department, 857 - 60 XI

# **Students' Prize Competition**

1976 Second Prizewinning Paper, 9 - 13 I 1976 Third Prizewinning Paper, 157 - 63 III 1977 First Prizewinning Paper, 901 - 6 XII Students' Prize Competition, 890 - 1 XII

Survey Seminars, 240 V

Tests for Pneumatic Tools, 163 III This International Mining Exhibition, 654 - 7 IX
Thoresby Colliery—Entry into the Parkgate Seam, 769 - 82 X, 840 - 6 XI
Trailing Cables, 886 XII
Trials with the BJD In-Web Shearer at East Hetton Colliery, 106 - 12 II Troughed Belt Conveyors, 163 III 299th CIS Luncheon, 890 XII

United States Energy Scene 1977, 623 - 4 IX Up and ATem, 357 - 8 VII

Vale of Belvoir Coal Reserves, 14 - 17 1 Ventilation at West Cannock No. 5 Colliery, 9 - 13 I Vulcan's Heritage NCB take ac vantage, 311 VI

### w

Waste Management, 243 V Winding rope safety cone puller, 826 XI

#### WORLD NEWS

# Australia

Oil from Coal, 74 II South Blackwater Mine, 74 II Queensland Coal Production, 185 IV Coal Exports, 782 X
Coal for Oil Companies, 782 X
Foreign Interest in Australian Coal, 782 X BP Invest in Coal, 886 XII

#### Canada

Hat Creek Power Station Project, 74 II Crows Nest Coal, 74 - 6 II BC Coal Prospects, 76 II BC Core Project, 76 II
Brazilian Interest in BC Coal, 147 III
BC Coal Production, 147 III
Hat Creek Coal, 288 V BC Coal, 361 VII Elk River Valley Coal, 361 VII Coal for Korea and Brazil, 886 Coal Port Development, 886 XII

Proposed coal terminal plans, 185 IV

### South Africa

Shortage of Coking Coal, 76 II Coal Exports, 147 III Mechanisation, 147 III Coal Reserves, 185 IV Steam Coal, 288 V Coal Preparation, 361 VIII Refining Brown Coal, 361 VII Coal Exports, 361 VII Coal in the Transvaal, 830 XI Coal prospects in Swaziland, 830 XI Coal Exports, 830 XI Matla Colliery, 886 XII

# Sweden

Tunnel Project, 185 IV

# USA

Pennsylvania Anthracite, 76 II Coal Production, 147 III Surface Mines and the Environment, 886

# USSR

Coal in the Pipeline, 185 IV

World-Wide Application and Potential for British Mining Methods and Machinery, 627 - 36 IX

Yorkshire Area Report, 243 V

